

AUTHOR INDEX

Annual Index 2004

A

Aaltonen O, 253
 Abbott PV, 358
 Abdelaziz KM, 100
 Abduljabbar T, 54
 Abithol S, 226
 Abundo R, 110
 Ackerman PJ, 23
 Adell R, 255
 Aggarwal VR, 29
 Ahlgren FK, 204
 Aichelmann-Reidy ME, 373
 Al-Ali K, 54
 Al-Belasy FA, 211, 235
 Aldridge RD, 313
 Alessandri G, 367
 Alfredo E, 312
 Al-harbi F, 223
 Allen KD, 306
 Almog DM, 129
 Alpaslan C, 46
 Al-Shammari KF, 13, 360
 Al-Zahrani MS, 41
 Ambrosini P, 171
 Amer MZ, 211
 Anders R, 264
 Andersson-Wenckert IE, 298
 Andreana S, 38
 Andresen RV, 92
 Anorim VCP, 51
 Antoniadis D, 368
 Apatzidou DA, 315, 316, 374
 Apicella MJ, 363
 Aranha ACC, 364
 Árnadóttir IB, 85
 Asrari M, 132
 Assed S, 375
 Attar N, 297
 Avontrodt P, 103
 Aw TC, 86

B

Baccetti T, 106
 Bader JD, 83
 Bailit HL, 225
 Baird FJ, 114
 Bakardjiev A, 332
 Banchs F, 330

Barth J, 18
 Bartold PM, 178
 Basso M, 245
 Bauer JR, 287
 Baugh D, 267
 Beazoglu TJ, 225
 Beirne R, 12
 Belli S, 215
 Ben-Amar A, 40
 Bender AB, 11
 Bender IB, 11, 140
 Berberoglu HK, 148
 Bernal G, 233
 Bernhardt O, 93
 Bernstein DI, 182
 Bertelli E, 311
 Bertolami CN, 325
 Bertrand MF, 115
 Bindl A, 249
 Birek C, 155
 Bissada NF, 41
 Blasbalg J, 40
 Blue DS, 117
 Bollen A-M, 378
 Bonafante G, 138
 Bonfante EA, 138
 Borawski EA, 41
 Boston DW, 201
 Bou-Abboud Naaman N, 341
 Boutsioukis AC, 293
 Brandlmaier I, 54
 Branson BG, 296
 Bray KK, 296
 Brennan P, 269
 Brewer JD, 163
 Brown BR, 80
 Brown S, 15
 Brunzel S, 356
 Bryant SR, 44
 Burch J, 148
 Burns Y, 285
 Bush PJ, 38

C

Çaglar E, 277
 Cai Z, 95
 Campagni W, 233
 Campo-Trapero J, 73
 Camps J, 241

Cano-Sánchez J, 73
 Cardaropoli D, 307
 Carey CM, 164
 Carlson CR, 146
 Casamassimo PS, 262
 Casas MJ, 372
 Casey J, 168
 Castaldi CR, 20
 Cecchinato D, 361
 Chang H-H, 234
 Chang K-M, 275
 Chang K-W, 275
 Chaptini E, 341
 Cheng C-Y, 275
 Cho L-R, 181
 Chong MJ, 99
 Chou C-H, 67
 Chuang S-F, 32
 Chugal NM, 36
 Ciancio S, 7
 Clark SJ, 182
 Clive JM, 36
 Coatoam GW, 22
 Cohenca N, 210
 Coleman TA, 41
 Colosi D, 251
 Combe EC, 100
 Comfort MB, 39
 Copcy HE, 14
 Corrente G, 110, 307
 Crean StJV, 331
 Croll TP, 20
 Cross-Poline GN, 261
 Csillag A, 327
 Cuddy MA, 253
 Çulhaci N, 14

D

Daniels S, 111
 da Silva Filho OG, 240
 das Neves LT, 337
 Dattilo DJ, 301
 David R, 344
 d'Avila S, 271
 Dawes C, 221
 de Albuquerque RF Jr, 153
 Dean AK, 71
 DeBar LL, 91
 de Freitas Mendes O, 240

de Groot SD, 96
 Del Fabbro M, 245
 de Lima Navarro MF, 222
 Della Valle A, 141
 del Romero-Guerrero J, 73
 De Luca M, 357
 Deng Q, 30
 de Oliveria Rocha R, 337
 DePaola DP, 4
 de Paula Eduardo JV, 51
 D'Ercole S, 362
 Desjardins PJ, 111
 De Sousa ELR, 113
 Devries JA, 129
 Di Giorgio R, 138
 Dikicioglu E, 14
 Dillon J, 272
 Diogo S, 8, 199
 Dolwick MF, 46
 Douglas RD, 163
 Douglass CW, 321
 Draenert M, 33
 Drangsholt M, 66
 Drexel CA, 236
 Drooger SA, 301
 Duangthip D, 247
 Dubé-Baril C, 280
 Dunn WJ, 168
 Dusevich V, 292
 Duyz MPMA, 347

E

Eberhard J, 101
 Eber R, 27
 Eckel D, 230
 Economides N, 226
 Ehlers H, 101
 Eleazer PD, 289
 Elian N, 227
 Ellis RW, 158
 Emshoff R, 54, 186
 Epivatianos A, 368
 Epstein DW, 20
 Epstein JB, 136, 303
 Erdogan Ö, 187
 Esen E, 187
 Eskitascioglu A, 215
 Eskitascioglu G, 215

F

Falk W, 101
 Fardy MJ, 331
 Farella M, 371
 Farquharson AA, 15
 Felipe LA, 217
 Fenlon MR, 313
 Ferguson JW, 71
 Ferrari M, 311
 Ferraz CCR, 113
 Filho LC, 222
 Fischer S, 173
 Fisher DW, 53
 Fitzgerald RH Jr, 77
 Flaitz C, 295

Flaitz CM, 82
 Fletcher P, 227
 Fonesca RJ, 125
 Fonseca TS, 312
 Foxton RM, 349
 Francescut P, 224
 Francetti L, 245
 Franchi L, 106
 Fredrik KEK, 204
 Freitag S, 356
 Friedlander AH, 218
 Friedlander IK, 218
 Friedman S, 80, 226
 Fyalka T, 70, 279, 342

G

Gadbury-Amyot C, 296
 Galbally JF Jr, 125
 Gambarini G, 357
 Garrido AD, 312
 Garvin J, 321
 Genelhu MCS, 105
 Gerhard S, 54
 Gianelly AA, 107, 175
 Gibbs C, 352
 Gibson TJ, 323
 Gjerdet NR, 212
 Glans R, 220
 Glaros A, 292
 Gogos C, 226
 Gomes BPF, 113
 Goracci C, 252, 311
 Gorsky M, 303
 Gove RJ, 164
 Grace MGA, 143
 Grad HA, 34
 Grandhi RK, 238
 Grandini S, 252
 Greenberg MS, 63
 Greenwood M, 76
 Gremillion HA, 89
 Griggs JA, 117
 Grinberg G, 370
 Grippo JO, 41
 Güngör HC, 297

H

Hall BD, 294
 Hamilton J, 196
 Hancock PJ, 136
 Harasaty L, 250
 Harrel SK, 295
 Harrison JD, 368
 Hasturk H, 309
 Haubenreich JE, 6
 Haustein I, 116
 Hayashi M, 202
 Hayashi Y, 30
 Hayes C, 98
 Heath CD, 373
 Heft MW, 46
 Heinrich A, 93
 Hicks J, 295
 Hilgers KK, 177

Hiltunen K, 254
 Himel VT, 97
 Hobo S, 53
 Hofman N, 45
 Holbrook PW, 85
 Hollender LG, 237
 Holton IF, 162
 Ho MWS, 331
 Hong L, 309
 Hoogstraten J, 347
 Hope CK, 115
 Hörsted-Bindslev P, 172
 Hotta TH, 153
 Hottel TL, 300
 Huijoe PP, 378
 Hupp JR, 322
 Hutfless S, 306

I

Ida-Yonemochi H, 150
 Inai N, 349
 Inglehart MR, 35
 Ireland AJ, 94
 Irinakis T, 327
 Islam S, 251
 Isper AR, 375

J

Jameson C, 152
 Janal M, 250
 Janssen J, 49
 Jansson L, 302
 Jeon Y-S, 207
 Jerrold L, 65
 Jin Y-T, 32
 Johannessen AC, 204
 Johnston B, 118
 Johnston DH, 372

K

Kabalay U, 277
 Kang B, 228
 Kargul B, 277
 Karni S, 210
 Karpinia K, 352
 Katahira N, 349
 Kawakami J, 10
 Kay EJ, 85
 Kennedy JE, 83
 Kennedy S, 130
 Kenny DJ, 372
 Kerr AR, 236
 Khocht A, 250
 Kieri C, 298
 Kiliç E, 333
 Kim D-H, 19
 Kim E, 107
 Kimoto S, 377
 Kinane DF, 315, 316, 374
 Kinderknecht KE, 41
 King NM, 338
 Kinomoto Y, 43
 Kitamura M, 377

Kiyak HA, 114
 Knight H, 94
 Knox E, 161
 Kobayashi C, 281
 Kobayashi H, 120
 Kodaira M, 377
 Koga K, 75
 Kohn, WG, 194
 Kokkas AB, 293
 Kokorikos I, 226
 Kok S-H, 234
 Koray M, 148
 Koumoura F, 334
 Krennmair G, 165
 Kubota T, 365
 Kupietzky A, 82
 Kurita H, 120
 Kurita K, 75
 Kusy RP, 345

L

Laaksonen J-P, 253
 Lackey MM, 18
 Lagouvardos PE, 159
 Laguná DA, 51
 Landesman HM, 61
 Land MF, 209
 Lang A, 228
 Lan W-H, 305
 Larsson E, 220
 Larzelere R, 306
 Lassila LVJ, 102
 Latta MA, 158
 Lavelle C, 155
 Lawrence HP, 226
 Lazzara R, 100
 Lea SC, 287
 Le Bell A-M, 102
 Lee B-S, 305
 Lee J-J, 234
 Lee S-Y, 19
 Leiwehr FR, 290
 Leuenberg A, 116
 Levitan ME, 97
 Levy SM, 309
 Lewis C, 118
 Lewis JB, 288
 Lim TJ, 327
 Lindhe J, 361
 Lindquist TJ, 161
 Lin T-S, 32
 Lipski M, 36
 Li S-M, 157
 Litonjua LA, 38
 Liu H-C, 305
 Lobner D, 132
 Lockwood PE, 288
 Lo ECM, 39
 Loguerico AD, 287
 Long N, 348
 Lopes HP, 48
 Luckey JB, 97
 Lund JP, 375
 Lupi-Pegurier L, 115
 Lussi A, 224, 247

Lustig JP, 162
 Lüthy H, 249
 Lynch CD, 133
 Lynch H, 118

M

Macfarlane GJ, 29
 Macfarlane TV, 29
 Machtei EE, 47
 Magnusson I, 352
 Mandel L, 185
 Manzon L, 138
 Marandici M, 300
 Marcantonio E Jr, 271
 Marder SR, 218
 Marenzi G, 141
 Marigo M, 105
 Mariotti A, 23
 Marotti NR, 337
 Marshall RI, 178
 Martínez-Pérez D, 276
 Martins LRM, 379
 Marvan ES, 71
 Mascia P, 80
 Matear DW, 34
 McConnell RJ, 133
 McCracken GI, 49
 McDevitt MJ, 166
 McDonald V, 237
 McGrath C, 39
 McGuire MK, 108
 McNamara JA, 106
 McNutt MD, 67
 Meechan JG, 76
 Mehl A, 33
 Mehlich DR, 111
 Mehra P, 56
 Mejäre B, 302
 Mercado FB, 178
 Messer LB, 242
 Mialhe FL, 176
 Michelich R, 162
 Michelotti A, 371
 Milia E, 30, 350
 Miller C, 64
 Miller CS, 146
 Miller N, 171
 Misch CE, 360
 Modic PE, 253
 Moller E, 188
 Monaco G, 367
 Monteiro S, 217
 Montevecchi M, 367
 Monticelli F, 252
 Moore J, 269
 Mörmann WH, 249
 Morneburg TR, 184
 Morozumi T, 365
 Morr T, 268
 Mortada A, 338
 Moseling KP, 304
 Moskowitz EM, 266
 Muller-Bolla M, 115
 Müller J, 153
 Muñoz-Viveros CA, 294

Murray GM, 273
 Muto T, 10
 Myers CD, 89

N

Naeije M, 45
 Nakamura T, 206
 Nash DA, 323
 Nasser S, 15
 Nathanson D, 223
 Naylor WP, 294
 Neiva RF, 13
 Nelson-Filho P, 375
 Neppelenbroeke KH, 229
 Newsome P, 197
 Nichols PS, 9
 Niemi M, 253
 Noonan CJ, 378
 Notani K, 245
 Nouer DF, 105
 Novak KF, 131
 Nunn M, 108, 309
 Nunn ME, 295
 Nussstein J, 130, 285
 Nyberg J, 255

O

Odont D, 188
 Oelgiesser D, 40, 231
 Oettinger-Barak O, 47
 Ogaard B, 220
 Ohtsuka A, 120
 Ohyama T, 206
 Okano T, 314
 Ölmez H, 308
 Olsson C, 361
 Orstavik D, 354
 Osborne PB, 6
 Ozawa TO, 240
 Özeç I, 333
 Öztürk H, 353

P

Padbury A Jr, 27
 Palamara JE, 242
 Pancherz H, 173
 Paolantonio M, 362
 Papakosta V, 334
 Pardi V, 176
 Park Y-C, 19
 Parry J, 303
 Pascotto RC, 222
 Pashley D, 241
 Patton WR, 290
 Paunovich ED, 335
 Pavarina AC, 229
 Peled M, 47
 Peltola JS, 254
 Penaud J, 171
 Penrod JR, 375
 Peregrina A, 209
 Pereira AC, 176
 Perinetti G, 362

Perio D, 238
 Peroz I, 116
 Perrott DH, 92
 Persson S, 212
 Petersilka GJ, 33
 Petrie A, 115
 Pfeifer JMGA, 379
 Phanachet I, 273
 Piehslinger E, 165
 Pimenta LAF, 364
 Piwat S, 243
 Poeschl E, 230
 Poeschl PW, 230
 Polyzois GL, 159
 Potluri A, 251
 Price GJ, 287
 Pröschel PA, 184
 Proussaefs P, 233
 Purdie DM, 99
 Purk JH, 292

Q

Quarnstrom F, 86
 Quirynen M, 103

R

Raborn GW, 143
 Radu M, 300
 Ramoglu SI, 376
 Ramos L Jr, 138
 Ravon NA, 237
 Reader A, 130, 285
 Rebaudi A, 100
 Redford-Badwal D, 177
 Reiche-Fischel, 56
 Reis A, 287
 Reisine S, 177
 Re S, 110, 307
 Reynolds MA, 373
 Rhodus NL, 146
 Riggio MP, 316
 Ritchie CS, 66
 Roças IN, 48
 Roccia WD, 253
 Rondeau B, 78
 Rosenberg H, 34
 Rotstein I, 210
 Rudisch A, 186
 Ruiz-Espiga PG, 276
 Russell CM, 166

S

Saadia M, 370
 Sadeq A, 95
 Sadler GR, 136
 Safavi K, 165
 Saitoh T, 245
 Sammartino G, 141
 Sano T, 150, 314
 Santini A, 30, 350
 Sari E, 308
 Sari Z, 376
 Sato J, 245
 Sato T, 365

Saunders JL, 289
 Scarano A, 138
 Scheetz JP, 182
 Schepman K, 104
 Schlossberg M, 25, 69, 128
 Schmid MJ, 166
 Schneider J, 91
 Schubert MM, 66
 Schwartz-Arad D, 162
 Schwartz B, 265
 Scott DA, 155
 Seacat JP, 35
 Sela M, 328
 Sengun A, 376
 Seow WK, 99
 Seymour R, 27
 Shaini FJ, 170
 Sharon-Buller A, 328
 Shenkin JD, 62
 Sherriff M, 94
 Sherwood KH, 148
 Shibli JA, 271
 Shigeo K, 10
 Shillingburg HT Jr, 53
 Shipper G, 354
 Shi S, 30
 Shugars DA, 83
 Sidlauskas A, 172
 Sifkas PM, 151
 Simon Z, 207
 Siqueira JF Jr, 48
 Slavkin HC, 126
 Smales RJ, 88
 Smidt A, 26
 Smith DJ, 4, 179
 Soares CJ, 379
 Song H-Y, 181
 Späberg LSW, 36
 Spangberg LS, 165
 Spear RM, 282
 Spencer DE, 345
 Spencer M, 164
 Spielman AI, 266
 Splieth C, 93
 Spolidorio DM, 229
 Stanford CM, 161
 Steenks MH, 371
 Steigenga J, 13
 St-Georges AJ, 43
 Sturdevant JR, 43
 Suh J-J, 207
 Suwatviroj P, 242
 Svensson B, 255
 Swan M, 49
 Swift EJ Jr, 43

T

Taha H, 341
 Takanashi Y, 375
 Takeshige F, 43
 Tal H, 231
 Talic Y, 54
 Tal M, 231
 Tanner J, 102
 Tarnow D, 227
 Tatel FS, 213

Taubman MA, 4
 Teixeira FB, 354
 Testarelli L, 357
 Thomas JL, 98
 Thomason R, 342
 Thompson RL, 335
 Thompson W, 148
 Tomizawa M, 150
 Torii M, 43
 Tornes K, 212
 Torres CP, 363
 Toyama M, 75
 Trairatvorakul C, 243
 Trisi P, 100
 Trope M, 330
 Tsurumachi T, 202
 Turgut MD, 297
 Twomey JO, 100

U

Uchida S, 273
 Ümit Gürton A, 308
 Üstü Y, 187
 Usomez A, 353

V

Valachi B, 169
 Valachi K, 169
 Valencia R, 370
 van der Meij EH, 104
 van der Sluis LW, 96
 van der Waal I, 104
 van Dijken JW, 286, 298
 van Wijk AJ, 347
 Vassiliadis LP, 293
 Vehkalahti MM, 254
 Venezia E, 26
 Vieira LA, 217
 Vilkinis V, 172
 Villegas JC, 281
 Vizgirda PJ, 290
 Vuckovic N, 91

W

Wagner G, 165
 Wahab FK, 170
 Wallace J, 267
 Walmsley AD, 287
 Walton RE, 162
 Wang H-L, 27, 360
 Wang Z, 157
 Wannfors K, 302
 Want R-F, 228
 Warbington M, 309
 Warford JH, 238
 Warren JJ, 309
 Wataha JC, 288
 Waxenberg LB, 89
 Wedelin LM, 188
 Westerman GH, 158
 Whitehead AW, 131
 Willy J, 269
 Wilson M, 115
 Wilson S, 380

Winn D II, 295
Winslow GR, 9
Wolfart S, 356
Wolfe IS, 197
Wolford LM, 56
Woods MG, 304
Woody RD, 95, 117
Wozniak K, 36
Wright E, 168
Wright EF, 335
Wu M-K, 96

Y

Yaltirik M, 149
Yamaoto M, 314
Yancich PP, 363
Yarom N, 162
Yeler H, 333
Yip HK, 88
Yi Y-J, 181
Yoshioka T, 281
Yuen JP, 92

Z

Zall M, 263
Zamany A, 165
Zarb GA, 44
Zawaideh S, 98
Zeltser R, 82
Zhang P, 289
Zhao H, 103
Zou J, 157
Zuckerman GR, 50

SUBJECT INDEX

Annual Index 2004

A

AAOS (see American Academy of Orthopaedic Surgeons)
 Abfractions, etiology of, 171
 Abrasion, tooth (see Tooth, wear)
 Abrasion resistance, in dental stone, 159-160
 Acid etching
 of implant surfaces, 99-100
 vs. self-etching bonding systems, 94
 Acquired immunodeficiency syndrome (AIDS),
 preparation of dental and dental hygiene
 students for patients with, 34-35
 Acrylic appliances, for clenching related to
 posttraumatic stress disorder, 334-335
 Acrylic resin teeth, vs. composite, in denture
 repairs, 158-159
 Acyclovir, for herpes simplex labialis, 142-143
 ADA (see American Dental Association)
 Adhesive systems
 potential sites for debonding and, 31
 shear bond strengths, 310-311
 simplified, durability of, 285-286
 Admira cement, leakage with, 226
 Adnexal neoplasms, differential diagnosis,
 13-14
 AIDS (see Acquired immunodeficiency
 syndrome)
 Air entrapment, in facial soft tissues, 333-334
 Allergic reactions
 to metal fragment in temporomandibular
 joint, 212
 to metal in orthodontic treatment, 345
 Allergy testing, cell proliferation index for
 identification of nickel sensitivity, 104-105
 Alumina abutments, effect of bur abrasive
 particle size on, 117
 Alveolar bone loss, digital vs. conventional
 radiography for detection of, 250
 Alveolar osteitis
 after third molar extraction, 11-12
 in smokers vs. nonsmokers, 234-235
 Alveolectomy, vs. tooth division for extraction
 of impacted third molars, 233-234
 Amalgam
 for repair of crestal root perforation,
 201-202
 restorations
 bacterial growth in, 93
 clinical and microbiological status of
 gingiva, 362
 vs. intermediate restorative material, for
 root-end filling, 161-162

Amelogenesis imperfecta, restorative measures,
 86-88
 American Academy of Orthopaedic Surgeons
 (AAOS), 2003 advisory statement on
 antibiotic prophylaxis in patients with
 prosthetic joints, 77
 American Academy of Pediatric Dentistry
 agreement with Coca-Cola Foundation,
 61-62
 American Dental Association (ADA)
 2003 advisory statement on antibiotic
 prophylaxis in patients with prosthetic
 joints, 77
 Amoxicillin
 effectiveness in periapical abscesses,
 111-113
 fluorosis and, 308-309
 Analgesia
 parecoxib sodium vs. ketorolac, 110-111
 rofecoxib vs. aspirin, 307-308
 Anesthesia
 in children, 379-380
 injection pain, 284-285
 intraosseous injection, in infected pulpitis,
 130
 mandibular block, complications of, 253
 office administration by oral surgeons, 92
 in patients with liver disease, 75-76
 Antibiotics
 new developments in, 219
 for periapical abscesses, 111-113
 prophylaxis
 2003 ADA/AAOS advisory statement for
 patients with prosthetic joints, 77
 after third molar surgery, 230
 Anticoagulants
 cyanoacrylate glue for local hemostasis in
 patients using, 211
 plasma gel in patients using, 141
 Anti-infective therapy, in guided tissue
 regeneration in smokers, 47
 Antiviral drugs, for herpes simplex labialis,
 142-143
 Aphthous ulceration (see Recurrent aphthous
 stomatitis)
 Arch length
 maintaining with rapid maxillary expansion
 and fixed appliances, 105-106
 rapid palatal expansion in absence of
 crossbite, 174-175
 Argon laser, for increasing enamel surface
 microhardness, 158
 Artglass system, fracture resistance of, 378-379

Arthrocentesis, for temporomandibular joint
 disorders
 internal derangement and osteoarthritis
 unrelated to outcome measures after,
 185-186
 long-term outcomes, 45-46
 Asepto-Sol, effects on dental stone, 293-294
 Aspirin, in orthodontic treatment, 307-308
 Asplenic patients, infections after dental
 extractions, 65-66
 ASTRALIS light-curing system, for
 low-shrinkage composite, 350
 Attrition, tooth
 causes and treatment, 37-38
 Automated external defibrillators
 use among general population, 252-253
 Autotransplantation, of third molar to replace
 first and second molars, 301-302
 Azithromycin, effectiveness in periapical
 abscesses, 111-113

B

Bad breath, saliva incubation test for, 103
 Benzylpenicillin, effectiveness in periapical
 abscesses, 111-113
 Bethanechol, for xerostomia, 303
 Beveled preparation, for composite
 restorations, 43
 Biofeedback/visual imagery, in
 temporomandibular joint disorders, 91
 Biologic width, tractioning technique for
 restoration of, 216-217
 Blue light, therapeutical potential, 288
 Bonding
 conventional acid etching vs. self-etching
 primers, 94
 cyanoacrylate vs. composite, for
 orthodontic bonding, 46
 microtensile, in vivo vs. in vitro
 comparisons, 291-292
 noble metal-ceramic vs. titanium-ceramic,
 94-95
 strength comparisons of adhesive systems,
 310-311
 Bone
 grafting, with orthodontic treatment of
 periodontal defect, 339-341
 loss, alveolar, digital vs. conventional
 radiography for detection of, 250
 plates, for recurrent dislocation of
 temporomandibular joint, 331-332

striae, radiographic interpretation, 251

Botulinum toxin injections
for perioral dystonia, 187-188
for prevention of mandibular dislocations, 275-276

Braun Oral B electronic toothbrush
cavitation produced by, 287
removal of interproximal plaque beyond bristles, 114-115

Bridge(s)
porcelain-fused-to-metal, fractures of, 85-86

Broken appointments, automated system to reduce, 129

Brushing, factors affecting plaque removal, 48-49
(see also Toothbrush(es))

Bulimia
parotid swelling in, 184-185
tooth wear in, 37-38

Burning mouth disorder, evaluation and management, 144-146

Burs
for dentin caries excavation, 200-201
effect of abrasive particle size on preparation of ceramic crowns, 117

Business education, for dental professionals, 322

C

Caffeine, sex differences in response to, 346

Calcium hydroxide
intracanal
Lentula spiral for delivery of, 362-363
posttreatment pain and, 162
paresthesia from leakage of, 203-204
vs. dentin bonding materials for pulp capping, 172

Calcium hypochlorite, for disinfection of dental stone, 100

Calcium sulfate, in regenerative therapy for periodontal disease, 372-373

Calculus removal, manual debridement vs. laser irradiation, 101

Cancellous bone, radiography of, 251

Candida albicans, intracanal medications for elimination from dentin, 48

Canines, maxillary, prediction of impaction, 237-238

Carbamazepine, for diagnosis of trigeminal neuralgia, 245

Caries diagnosis
Dentobuff Strip method, 30
Dentocult KB method, 30
Dentocult SM method, 30
Diagnodent system
for detection of early hypomineralization, 157
discoloration and response of, 223-224
vs. conventional diagnostic techniques, 98-99
direct visual inspection after tooth separation, 175-176
in primary vs. permanent teeth, 223-224
visual-tactile exam and radiography, 98-99

Caries prevention
composite restorations and promotion of bacterial growth, 93
dental enamel solubility and critical pH, 221
microleakage and penetration ability of sealants, 246-247
risk assessment and prevention strategies, 82-83
vaccine development, 4-5, 179

Caries treatment
devices for removal, 200-201
intracanal reinforcement for restorations, 335-337

Cast post and core
as anchor for orthodontic extrusion, 24-26
retention and timing of cementation, 53-54

Cast veneer crowns
margin configurations for, 52-53

Cavitation, produced by powered toothbrushes, 287

CDC (see Centers for Disease Control and Prevention)

Cell survival and growth, effects of blue light, 288

Cementation, timing of, and retention of cast post and cores, 53-54

Cemento-enamel junction probe, consistency in results, 351-352

Centers for Disease Control and Prevention (CDC), guidelines for infection control in dental health care settings—2003, 192-195

Central fossa, as target for caries prevention, 157

Central incisors, influence on esthetic evaluation, 354-356

Ceramic crowns
effects of bur abrasive particle size and abutment composition, 117

Ceramic dowels, retention values of, 222-223

Ceramic inlay systems, fracture resistance, 378-379

CeraPost ceramic dowels, retention values of, 222-223

Cervical dentin hypersensitivity
(see also Dentin, hypersensitivity)
occlusal equilibration for, 41

Chewing, ipsilateral joint loading during, 44-45

Children
(see also Primary teeth)
disruptive behavior, parent-child interactions as predictor of, 305-306
glass fiber reinforced composite resin space maintainers for, 276-277
lip injuries in, 28
long-term results of pulpotomy and root canal therapy in primary molars in, 372
mesiodens for replacement of maxillary central incisor in, 213
orthodontic functional appliances before permanent teeth eruptions, 77-78
parental interactions as predictor of disruptive behavior, 305-306
recognition of abuse symptoms, 344-345
sedation and general anesthesia in, 379-380
stainless steel crown adaptation in, 19-20

unerupted permanent teeth, 80-82

Chiropractic care, in temporomandibular joint disorders, 91

Chlorhexidine rinse, for bacterial disinfection in root canals, 165

Cholesterol levels, red wine and, 90

Chopping, ipsilateral joint loading during, 44-45

Cingulum ledge lock union, strength of, 49-50

Class II restorations
(see also Restorations)
lining materials to reduce microleakage and internal voids in, 32
long-term durability, 297-298
in maxillary premolars, bonded inlay restorations in, 42-43

Clearfil AP-X, comparison of light source methods for curing of, 348-349

Clearfil Line Bond 2V adhesive system, potential sites for debonding, 31

Clindamycin, effectiveness in periapical abscesses, 111-113

Clinical trials, evaluation guidelines, 195-196

CO₂ laser, for aphthous ulcerations, 327-328

Coca-Cola Foundation, agreement with American Academy of Pediatric Dentistry, 61-62

Colgate Simply White Whitening Gel, safety and efficacy, 356-357

Colorimetry, variations in porcelain color reproduction among laboratories, 163

Complementary and alternative medicine
adverse effects of ginseng on dental procedures, 90
in temporomandibular joint disorders, 91

Composite repairs, vs. acrylic, for dentures, 158-159

Composite restorations
bacterial growth in, 93
beveled preparation for, 43
clinical and microbiological status of gingiva, 362
light source methods for curing, 348-349
low-shrinkage, microleakage around, 350
microleakage according to placement, 363-364
microtensile bond strength in vivo and in vitro, 291-292
packable, microleakage in, 286-287, 296-297
packable vs. hybrid, microleakage in, 363-364
pre-cured inserts vs. incremental placement, 170
resin-based, long-term durability of, 297-298
slot vs. dovetail in primary teeth, 242-243
vs. glass-ionomer cement, leakage of, 226

Computed tomography (CT)
for prediction of nerve complications in third molar extraction, 365-367
in temporomandibular joint disorder diagnosis, 74-75

Computer-aided learning, in dental education, 33-34

Concise composite resin, demineralization reduction with, 222

Condylar position
effect of clenching, 298-300
in prosthetic rehabilitation, 51

Confidentiality, 9

Congenital defects
maxillary primary central incisor, 149-150
missing second premolars, 368-370

Connective tissue graft, for correction of soft tissue margin discrepancy, 269-271

Conscious sedation
in children, 379-380
office administration by oral surgeons, 92

Contraction stress, in composite restorations, 45

Controlled slicing, for congenitally missing second premolars, 368-370

Corporate partnerships, with dental schools, 60-61

Cosmopost ceramic dowels, retention values of, 222-223

Cracked teeth, evaluation, 357-358

Cranial nerve palsy, diagnosis, 330-331

Credit cards, regulations for receipts, 283

Crestal bone loss
around implants, 44
single-tooth implants and, 164-165

Crestal root perforation, amalgam repair of, 201-202

Critical pH, for dental enamel solubility, 221

Crown lengthening surgery, periodontal tissue effects, 26-27

Crowns
cast veneer, margin configurations for, 52-53
ceramic, effects of bur abrasive particle size and abutment composition, 117
enhancing resistance form in tooth preparation, 231-233
fiberotomy combined with extrusion with use of a cast post and core anchor, 24-26
porcelain-fused-to-metal
fractures of, 85-86
margin configurations for, 52-53
retention values of esthetic dowels in, 222-223
stainless steel, adaptation in children, 19-20

CT (see Computed tomography)

Cultural differences
in dental practice, 321
in parenting styles, 348

Cyanoacrylate
for local hemostasis in patients taking warfarin, 211
vs. composite system, for orthodontic bonding, 46

D

Debonding, potential sites for, 31

Demineralization, resin-modified glass-ionomer cement and, 222

Demineralized freeze-dried bone, with calcium sulfate, for intra-bony defects, 372-373

Dental care
in emergency departments, 118
medical aspects, dental specialty for, 63
problems in access, 261-262

Dental education
(see also Dental schools; Dental students)
application of business ethics model in, 131
business education in, 322
computer-aided learning in, 33-34
ethics teaching in, 265
new directions for, 124-125, 127-128
state subsidies for, 224-225
translating ethics teaching into practice, 324-325

Dental ethics (see Ethics)

Dental hygiene
moving the profession forward, 260-261
preparation for handling patients with HIV infections/AIDS, 34-35

Dental infection (see Caries)

Dental licensure, debates over initial exams, 264

Dental materials (see under Names of specific materials)

Dental practice(s)
(see also Practice management)
applying ethics teaching in, 324-325
child abuse recognition, 344-345
in disadvantaged areas, 6
discussing treatment objectives and potential problems, 113-114
diversity in, 321
factors in obtaining patient informed consent, 151
policy manuals, 64
sexual harassment issues, 341-342
stress reduction, 69-70
technology integration in, 279-280
value gaps among dentists, staff, and patients, 197
Web sites for, 8

Dental practitioners
(see also Dentists)
business education for, 322
magnification lenses for improved posture, 296
prolonged static posture and occupational disorders in, 168-169

Dental research, evaluation guidelines, 195-196

Dental risk, calculating, 28

Dental schools
partnerships with corporations, 60-61 (see also Dental education)

Dental stone
calcium hypochlorite for disinfection, 100
changes produced by chemical disinfectant, 293-294
resin coating for abrasion resistance, 159-160

Dental students
(see also Dental education)

preparation for handling patients with HIV infections/AIDS, 34-35

rural recruitment of, 6

Dentin
bonding materials vs. calcium hydroxide for pulp capping, 172
C. albicans infection, intracanal medications for, 48
hypersensitivity
Nd:YAG laser treatment for, 304-305
occlusal equilibration for, 41-42
oxalate desensitizing agent for, 240-242

Dentists
(see also Dental practitioners)
maldistribution of, effect of state subsidies on, 224-225

Dentobuff Strip method, for caries diagnosis, 30

Dentocult KB method, for caries diagnosis, 30

Dentocult SM method, for caries diagnosis, 30

Dentures
bending and fracture strength of composite inlay fixed partial dentures, 180-181
canine-guided vs. balanced, 116
cingulum ledge lock union for teeth retention in base, 49-50
composite inlay fixed partial, bending and fracture strength, 180-181
composite vs. acrylic resin teeth in repairs of, 158-159
cost comparison, 374-375
fracture load of CAD/CAM-created slot-inlay fixed partial, 247-249
provisional fixed partial immediately after implant procedure, 214-215
resilient silicone vs. acrylic liners for, 376-377

Diabetes mellitus, dental pulp infection in, 11

Diagnodent caries detection system
for detection of early hypomineralization, 157
effects of discoloration on response of, 223-224
vs. conventional diagnostic techniques, 98-99

Disadvantaged areas, dental practice in, 6

Discectomy, without disc substitution, for temporomandibular joint disorders, 255

Discoloration, tooth (see Tooth, discoloration)

Disinfectant(s)
(see also Infection control)
calcium hypochlorite for dental stones, 100
chlorhexidine rinse for root canals, 165
effects on dental stone, 293-294
microwave irradiation for sterilization of chairside reline resins, 229

Distolingual alveolectomy, vs. tooth division for extraction of impacted third molars, 233-234

Divers, reduction of temporomandibular joint disorders in, 312-313

Diversity, in dental practice, 321

Dovetail restorations, vs. slot, in primary teeth, 242-243

Dowel systems, retention values of, 222-223
 Doxycycline, in guided tissue regeneration in smokers, 47
 Dry socket (see Alveolar osteitis)
 Duceram system, fracture resistance of, 378-379
 Dystonia, perioral, botulinum toxin injections for, 187-188
 Dytract Flow lining, marginal quality of Class II restorations with, 32

E

Eagle's syndrome, vs. temporomandibular joint disorder, 153
 Effusion, in temporomandibular joint disorders, 313-314
 Elderly (see Older patients)
 Electrolytes, in parotid swelling caused by bulimia, 184-185
 Electronic toothbrushes (see Powered toothbrushes)
 Emergency department visits, dental complaints in, 118
 Enamel
 critical pH for solubility, 221
 demineralization reduction with use of resin-modified glass-ionomer cement, 222
 discolored
 effects on caries detection systems, 223-224
 microabrasion for, 133
 Enamel matrix derivative (EMD)
 with coronal flaps, in repair of recession defects, 107-108
 for treatment of intra-bony defects, 244-245
 Endodontic procedures
 (see also Root canals)
 chlorhexidine rinse for bacterial disinfection, 165
 conversion of fiber-reinforced composite posts vs. monomer resin without fibers, 102
 effect of separated instruments on sealing, 289
 inversion of master gutta-percha cone to reduce sealer volume in apical root canals, 95-96
 paresthesia from leakage of calcium hydroxide in, 203-204
 pretreatment evaluation, 357-358
 in primary molars, long-term results, 372
 root canal obturation
 faster gutta-percha insertion rates, 96
 inversion of master gutta-percha cone to reduce sealer volume, 95-96
 root-end filling materials
 amalgam vs. intermediate restorative, 161-162
 glass-ionomer cement vs. composite resin, 226
 gutta percha vs. mineral trioxide aggregate, 289-290
 neurotoxicity of, 132
 Resilon vs. gutta-percha, 353-354

smear layer and sealer penetration, 292-293
 tissue damage caused by formocresol, 10
 treatment outcomes, 35-36, 225-226
 ultrasonic vibration with water spray
 cooling for removal of cemented posts, 311-312
 Erosion, tooth (see Tooth, wear)
 Er:YAG laser
 for cavity preparation, microleakage and, 115
 for gingival melanin hyperpigmentation, 230-231
 safety issues, 39-40
 vs. manual instruments, for dental scaling, 101
 Essential oil mouthwashes, 7, 27
 Esthetic dentistry
 acceptable axial midline angulation in, 97-98
 ceramic restoration without tooth structure removal, 205-206
 enamel microabrasion for discolored maxillary anterior teeth, 133
 influence of central incisors on evaluations in, 354-356
 pretreatment evaluation in, 267-268
 retention values of dowel systems for, 222-223
 smile esthetics in extraction vs. nonextraction therapy, 106-107
 variations in porcelain color reproduction among laboratories, 163

Ethics

applying a business ethics model to dental schools, 131
 confidentiality and truth, 9
 education and practice, 265
 licensure examinations and, 264
 second opinions in orthodontics, 265-266
 translating teaching into practice, 324-325
 Evidence-based dental care
 evaluation guidelines for dental research and publications, 195-196
 microtensile bond strength in vivo and in vitro, 291-292
 postsplenectomy infection in asplenic patient after dental extractions, 65-66
 reducing alveolar osteitis after third molar extraction, 11-12
 Extraoral sinus tract, odontogenic vs. endodontic origins, 209-210
 Extrusion, for restoration of biologic width, 216-217

F

F. necrophorum, antibiotic resistance and sensitivity, 111-113
 Facial injuries, air entrapment in soft tissue, 333-334
 Famciclovir, for herpes simplex labialis, 142-143
 Fibrotomy, combined with extrusion with use of a cast post and core anchor, 24-26
 Fibrekor dowel system, retention values of, 222-223

Film, F-speed and D-speed, quality of images after rapid processing, 182
 Finite element analysis, for determination of implant preload, 227-228
 First molar, aberrant canal morphology, 266-267
 Fissure(s)
 discoloration, in caries diagnosis, 223-224
 microleakage and penetration ability of sealants, 246-247
 Fluoride, release from glass-ionomer cement, 163-164
 Fluorosis, amoxicillin and, 308-309
 Forestacryl, wear characteristics in orthotic devices, 167-168
 Formocresol, tissue damage and necrosis caused by, 10
 Fracture load, CAD/CAM-created slot-inlay fixed partial denture, 247-249
 Freeze-dried bone allografts
 demineralized, segmental ridge-split procedure using, 20-22
 Fuji II LC cement, leakage results of, 226
 Fuji Ortho LC composite resin,
 demineralization reduction with, 222

G

Gastroesophageal reflux disease, tooth erosion in, 16-18
 General anesthesia
 in children, 379-380
 office administration by oral surgeons, 92
 in patients with liver disease, 75-76
 Gingiva
 hyperpigmentation, laser irradiation for, 230-231
 microleakage and (see Microleakage)
 Gingivitis
 fluoridated hydrogen peroxide-based mouthrinse for, 309
 occlusal forces and, 295
 smoking cessation and, 365
 Ginseng, adverse effects on dental procedures, 90
 Glass fiber-reinforced composite (FRC) posts, conversion of, vs. conversion of monomer resin without fibers, 102
 Glucocorticoids, preceding third molar extraction, 186-187
 Glucose levels, maintaining, 272
 Glucose monitoring, pain-free methods, 156
 Guided bone regeneration, for peri-implantitis, 206-207
 Guided tissue regeneration, anti-infective therapy to improve in smokers, 47
 Gutta-percha
 faster insertion rates, 96
 master cone, inversion to reduce sealer volume in apical root canals, 95-96
 vs. mineral trioxide aggregate, for root canal filling, 289-290
 vs. Resilon, for root-end filling, 353-354
 Gypsum products, abrasion resistance, 159-160

H

- Halitosis (see Bad breath)
- Head and neck cancer
 - guidelines for treating patients undergoing radiotherapy for, 134-136
 - pilocarpine and bethanechol for xerostomia, 303
- Health insurance, small business cutbacks, 28
- Heart attack, early symptoms, 219
- Hepatitis, risks to patients and dental practitioners, 75-76
- Herbal supplements
 - adverse effects on dental procedures, 90
 - in temporomandibular joint disorders, 91
- Herbst appliance, effect on temporomandibular joint changes in Class II malocclusions, 173
- Herpes simplex labialis, recurrent, antiviral drugs for, 142-143
- High-intensity light-curing system, for low-shrinkage composite, 350
- HIV infection (see Human immunodeficiency virus infection)
- Human immunodeficiency virus (HIV) infection
 - dental and dental hygiene students
 - preparation for patients with, 34-35
 - guidelines for patient treatment, 71-73
- Hydrogen peroxide whitening gel, safety and efficacy, 356-357
- Hypoglossal nerve palsy, idiopathic isolated, 330-331
- Hypersensitive teeth
 - Nd:YAG laser treatment for, 304-305
 - occlusal equilibration for, 41-42
- Hypoplasia, of primary incisor, vital pulpotomy for, 149-150
- Hyposalivation, evaluation and management, 144-146

I

- Identity theft, securing patient and personal files to prevent, 198-199
- Idiopathic isolated hypoglossal nerve palsy, 330-331
- Immune response, in root planing, 373-374
- Immunization (see Vaccine)
- Impacted teeth
 - (see also Third molar(s), extraction)
 - eruption potential, 80-82
 - factors predicting, 237-238
- Implants
 - angulated approach to avoid pneumatized maxillary sinus, 325-327
 - crestal bone loss around, 44
 - dual acid-etched surfaces, 99-100
 - effects of surface treatment on osseointegration of, 346
 - implantoplasty and guided bone regeneration for peri-implantitis, 206-207
 - papillary height in, 227
 - preload determined by finite element analysis, 227-228
- provisional fixed partial denture
 - immediately after procedure, 214-215
 - reducing occlusal load, 183
 - segmental ridge-split procedure for, 20-22
 - selection criteria for immediate endosseous therapy, 67
 - single-tooth, effects on adjacent teeth, 164-165
 - split-finger technique to promote papillae around, 358-360
 - subepithelial connective tissue graft for soft tissue margin discrepancy, 269-271
 - submerged vs. nonsubmerged, bone loss and healing in, 361
- Incisor(s)
 - angulation of, influence on esthetic evaluations, 354-356
 - congenital defects, 149-150
 - influence on esthetic evaluation, 354-356
 - mesiodens for replacement of, 213
- Infection control
 - (see also Disinfectant(s))
 - CDC guidelines, 2003, 192-195
 - chlorhexidine rinse for bacterial disinfection in root canals, 165
 - current practices, 68
 - dental stone with disinfectant properties, 100
 - guidelines for treating HIV-positive patients, 71-73
 - microwave irradiation for sterilization of chairside reline resins, 229
- Infection(s)
 - new developments in antibiotics, 219
 - paresthesia caused by, 332-333
 - periapical, 111-113
- Inferior alveolar nerve
 - paresthesia due to infection, 332-333
 - radiographic markers predictive of damage in third molar extraction, 365-367
- Inferior dental nerve, damage during orthodontic therapy, 269
- Informed consent
 - discussing treatment objectives and potential problems, 113-114
 - factors in obtaining, 151
 - forms for, 279-280
 - process for obtaining, 342
- InTen-S composite, microleakage around restorations using, 350
- Intrabony defects
 - calcium sulfate combined with demineralized freeze-dried bone for, 372-373
 - enamel matrix derivative for, 244-245
- Intracanal reinforcement fiber, for primary tooth restoration, 335-337
- Intraoral x-ray film, quality of F-speed and D-speed film images after rapid processing, 182
- Intraosseous injection, anesthetic, in infected pulpitis, 130
- Intrusion, of supererupted molars, titanium miniplates for, 146-148

J

- Jaw pain, myofascial (see Temporomandibular joint (TMJ) disorders)

K

- Ketorolac, vs. parecoxib sodium for oral surgery pain, 110-111

L

- Laser(s)
 - argon, for increasing enamel surface microhardness, 158
 - CO₂, for aphthous ulcerations, 327-328
 - Er:YAG
 - for cavity preparation, microleakage and, 115
 - for gingival melanin hyperpigmentation, 230-231
 - safety issues, 39-40
 - vs. manual instruments, for dental scaling, 101
 - fluorescence, for caries diagnosis, 98-99, 157
 - Nd:YAG, for dentin hypersensitivity, 304-305
- LED light-curing unit, temperature increase with, 352-353
- Legal issues
 - child abuse recognition, 344-345
 - family limited partnerships, 263
 - informed consent
 - discussing treatment issues and potential problems, 113-114
 - factors in obtaining, 151
 - forms for, 279-280
 - process for obtaining, 342
 - partnership agreements, 65
 - sexual harassment situations, 341-342
- Leiomyosarcoma, in mandibular gingiva, 274-275
- Lenula spiral, for delivery of calcium hydroxide paste, 362-363
- Leukemia, oral lesions as symptom of, 70-71
- Liability issues, obtaining informed consent and, 342
- Light-emitting diode light-curing unit, temperature increase with, 352-353
- Lingual nerve impairment, diphthong production and, 253
- Lip curvature, changes in orthodontic therapy, 303-304
- Lip injuries, in children, 28
- Liver disease, risks to patients and dental practitioners, 75-76
- Local anesthesia
 - injection pain, 284-285
 - intraosseous injection, in infected pulpitis, 130
 - mandibular block, complications of, 253
 - office administration by oral surgeons, 92
- Low birth weight infants, dental radiation exposure in females and, 377-378

Luscent dowel system, retention values of, 222-223
 Lymphoproliferative assay, for identification of nickel sensitivity, 104-105

M

Magnetic resonance imaging (MRI), in temporomandibular joint disorder diagnosis, 54-55, 74-75
 Malnutrition, periodontal disease and, 12-13
 Malocclusion
 effect of Herbst appliance on temporomandibular joint changes in, 173
 rapid palatal expansion in absence of crossbite, 174-175
 Mandible
 leiomyosarcoma of, 274-275
 recurrent dislocation of, botulinum toxin injections for, 275-276
 Mandibular condyle, resorption in advanced internal derangement of temporomandibular joint, 119-120
 Mandibular first molar, aberrant canal morphology, 266-267
 Mandibular first premolars, multiple root canals in, 280-281
 Margins, for porcelain-fused-to-metal crowns, 52-53
 Massage, in temporomandibular joint disorders, 91
 Maxillary caninés, prediction of impaction, 237-238
 Maxillary expansion, rapid (*see* Rapid maxillary expansion)
 Maxillary midline, acceptable axial angulation, 97-98
 Maxillary premolars, bonded inlay restorations in large MOD preparations, 42-43
 Maxillary sinus, pneumatized, angulated implant approach for, 325-327
 Maxillofacial procedures, for obstructive sleep apnea, 300-301
 Medical issues in dental care
 alternatives to surgical treatment of sialadenitis, 368
 automated external defibrillators for the public, 252-253
 dental specialty for, 63
 guidelines for treating HIV-positive patients, 71-73
 oral lesions as symptom of leukemia, 70-71
 parotid swelling caused by bulimia, 184-185
 patients undergoing radiotherapy for head and neck cancer
 guidelines for, 134-136
 xerostomia in, 303
 periodontitis in rheumatoid arthritis, 177-178
 posttraumatic stress disorder, 217-218
 Meige's syndrome, botulinum toxin injections for, 187-188

Mental nerve, paresthesia due to infection, 332-333
 Mesiodens, for replacement of maxillary central incisor, 213
 Metal allergies
 cell proliferation index for identification of, 104-105
 metal fragment in temporomandibular joint, 212
 in orthodontic patients, 345
 Metronidazole
 effectiveness in periapical abscesses, 111-113
 gel, in guided tissue regeneration in smokers, 47
 Microabrasion, for discolored maxillary anterior teeth, 133
 Microcystic adnexal carcinoma, vs. benign adnexal neoplasm, 13-14
 Microleakage
 composite restoration placement and, 363-364
 in low-shrinkage composite restorations, 350
 in packable composite restorations, 286-287, 296-297
 precured inserts vs. incremental placement in composition restorations, 170
 prevention of, laser with acid etching for, 115
 Mineral trioxide aggregate (MTA), vs. gutta-percha, for root canal filling, 289-290
 Miniscrews, for molar intrusion, 18-19
 Molar(s)
 autotransplantation to replace first or second, 301-302
 first mandibular
 aberrant canal morphology, 266-267
 multiple root canals in, 280-281
 intrusion, miniscrews for, 18-19
 miniscrews for intrusion, 18-19
 primary, endodontic procedures in, 372
 supererupted, titanium miniplates for, 146-148
 third (*see* Third molar(s))
 Monomer resin posts, conversion of, vs. conversion of glass fiber-reinforced composite posts, 102
 Mouthwashes
 essential oil, 7, 27
 fluoridated hydrogen peroxide-based, for gingivitis treatment, 309
 long-term use, 7
 MRI (*see* Magnetic resonance imaging)
 MTA (*see* Mineral trioxide aggregate)
 Musculoskeletal disorders, in dental practitioners
 magnification lenses for prevention of, 296
 static posture as cause of, 168-169
 Myofascial examination, for oral pain diagnosis, 78-88

N

Nd:YAG laser, for dentin hypersensitivity, 304-305
 Nerve(s)
 complications in third molar extraction, radiography for prediction of, 365-367
 cranial, diagnosis of palsy in, 330-331
 hyoglossal, idiopathic isolated palsy of, 330-331
 inferior alveolar
 paresthesia due to infection, 332-333
 radiographic markers predictive of damage in third molar extraction, 365-367
 inferior dental, damage during orthodontic therapy, 269
 lingual, diphthong production and impairment of, 253
 mental, paresthesia due to infection, 332-333
 Neurotoxicity, of root-end filling materials, 132
 Nickel sensitivity, cell proliferation index for identification of, 104-105
 Nicotine replacement therapy, uses and safety of, 154-155
 Nicotine use, gingival health and, 365
 Noble metal-ceramic bonding, vs. titanium-ceramic bonding, 94-95
 Noncarious cervical lesions (*see* Abfractions)
 Nutrition
 maintaining stable blood sugar levels, 272
 prophylactic supplementation in periodontal disease, 12-13

O

Obesity, periodontal disease and, 40-41
 Obstructive sleep apnea, maxillofacial procedures for, 300-301
 Occlusal equilibration, for cervical dentin hypersensitivity, 41-42
 Occlusal forces
 in abfractions, 171
 gingival recession and, 295
 Occlusal splints
 (*see also* Orthotic devices)
 amalgam to restore canine guidance on, 136-138
 early trauma in short-term discontinuance of, 166
 Occlusal surfaces, narrowing of, to reduce loads on implants, 183
 Older patients
 crestal bone loss around oral implants in, 44
 firearm ownership, 219
 temporomandibular joint disorders in, 254
 Omega wire extensions, in restoration of primary anterior teeth, 337-338
 OptiBond Solo adhesive system, potential sites for debonding, 31
 Opus 20 Er:YAG laser, safety issues, 39-40
 (*see also* Laser(s))

Oral anatomy, pterygoid muscle function in, 272-273

Oral health care
 medical aspects, dental specialty for, 63
 quality of life and, 126
 WHO report, 320

Oral implants (see Implants)

Oral lesions
 lichenoid, as premalignant finding, 104
 as symptom of leukemia, 70-71

Oral malodor (see Bad breath)

Oral pain
 (see also Pain control; Posttreatment pain)
 nonodontogenic sources, 78-88
 psychological aspects, 88-89
 socioeconomic status and, 29

Oral pathology
 atypical oral tuberculosis, 14-15
 microcystic adnexal carcinoma vs. benign adnexal neoplasm, 13-14
 oral leiomyosarcoma, 274-275
 oral lichenoid lesions as premalignant finding, 104

Oral surgeons, office administration of anesthesia, 92

Oral surgery, parecoxib sodium vs. ketorolac for pain relief in, 110-111

Oral tuberculosis, atypical, 14-15

Orthodontic treatment
 acceptable axial midline angulation in, 97-98
 bonding materials, cyanoacrylate vs. composite, 46
 with bone grafting for periodontal defect, 339-341
 combined with periodontic therapy, 306-307
 effect on root formation, 238-239
 ethics of second opinions, 265-266
 facial paraesthesia during treatment, 269
 functional appliances in young children, 77-78
 lip curvature changes caused by, 303-304
 maintaining arch length gained by maxillary expansion, 105-106
 metal allergies and, 345
 miniscrews for molar intrusion, 18-19
 motivation for patients with crowded dentition, 220
 patterns of treatment offered by pediatric dentists, 176-177
 repositioning teeth in severe periodontal disease, 108-110
 rofecoxib vs. aspirin for pain control, 307-308
 smile esthetics in extraction vs. nonextraction therapy, 106-107
 vs. restorative dentistry, 281-282
 xylitol lozenges to supplement oral hygiene during, 376

Orthognathic surgery, temporomandibular joint disorders following, 55-56

Orthotic devices
 (see also Occlusal splints)
 materials for, wear differences in, 167-168

P

P prevotti

antibiotic resistance and sensitivity, 111-113

PAC (see Plasma arc light-curing unit)

Paget's disease, dental structural changes in, 139-140

Pain control
 (see also Oral pain; Posttreatment pain)
 in anesthetic injections, 284-285
 oxalate desensitizing agent for sensitive teeth, 240-242
 parecoxib sodium vs. ketorolac after oral surgery, 110-111
 rofecoxib vs. aspirin in orthodontic treatment, 307-308

Panographic radiography, for prediction of nerve complications in third molar extraction, 365-367

Papillae, split-finger technique for promotion around implants, 358-360

Papillary height, between adjacent implants, 227

Parapost titanium dowels, retention values of, 222-223

Parathyroid hormone, periodontal bone loss and, 346

Parecoxib sodium, vs. ketorolac for oral surgery pain, 110-111

Parenting, influences on styles of, 348

Paresthesia
 infection-related, 332-333
 during orthodontic therapy, 269

Partnership agreements, for dental practices, 65, 263

Patient behavior
 effects of patient information on perception of posttreatment pain, 347
 motivation for patients with crowded dentition, 220

Patient communication
 discussing treatment objectives and potential problems, 113-114
 questions about pharmaceutical advertising, 156

Pediatric dental practice
 (see also Children)
 guidelines for, 323
 orthodontic treatment offered in, 176-177

Penciclovir, topical, for herpes simplex labialis, 142-143

Penicillin
 for periapical abscesses, 111-113
 for sialadenitis, 368
 troches for recurrent aphthous stomatitis, 235-236

Periapical abscesses, antibiotic therapy for, 111-113

Peri-implantitis, implantoplasty and guided bone regeneration for, 206-207

Periodontal disease
 digital vs. conventional radiography for detection of, 250
 endodontic treatment outcome and, 225-226
 obesity and, 40-41

parathyroid hormone and, 346
 prophylactic nutrient supplementation for, 12-13
 in rheumatoid arthritis, 177-178

Periodontal therapy
 calcium sulfate in regenerative therapy, 372-373
 combined with orthodontic treatment, 306-307, 339-341
 consistency in probe results, 351-352
 enamel matrix derivative for intrabony defects, 244-245
 enamel matrix derivative with coronal flaps for recession defects, 107-108
 endodontic treatment outcome and, 225-226
 for extruded teeth, 108-110
 immune response to root planing, 373-374
 long-term compliance, 7
 occlusal splints for, 166
 quadrant root planing vs. same-day full-mouth root planing
 clinical results, 314-315
 microbiological outcomes, 315-316

Periodontal tissue, restorations and, 26-27

Personal digital assistant (PDA), in patient care management, 24

Pharmaceutical advertising, patient questions about, 156

Pharmacology, in dental education, 127-128

Philips Jordan Sensiflex electronic toothbrush, cavitation produced by, 287

Physical therapy, for temporomandibular joint disorders, 371

Pilocarpine, for xerostomia, 303

Planing (see Root planing)

Plaque control
 brushing factors in degree of, 48-49
 effect of xylitol lozenges following sucrose challenge, 376
 interproximal, removal beyond bristles by electronic toothbrushes, 114-115
 long-term compliance, 7

Plasma arc light-curing unit (PAC)
 temperature increase with, 352-353
 vs. quartz-tungsten-halogen lamp, 348-349

Plasma gel, in patients using anticoagulants, 141

Policy manuals, for dental practices, 64

Polyethylene ribbon, for creation of provisional fixed partial denture, 214-215

Polymerization shrinkage, in composite restorations, 45

Porcelain, variations in color reproduction among laboratories, 163

Porcelain-fused-to-metal bridge, fractures of, 85-86

Porcelain-fused-to-metal crowns
 fractures of, 85-86
 margin configurations for, 52-53

Posts
 glass fiber-reinforced composite vs. monomer resin, 102
 translucent-fiber, 252

Posttraumatic stress disorder
 clenching and bruxing in, 334-335
 dental implications, 217-218

Posttreatment pain
 (see also Oral pain; Pain control)
 effects of patient information on perception of, 347
 intracanal calcium hydroxide and, 162
 parecoxib sodium vs. ketorolac after oral surgery, 110-111

Potassium oxylate solution, for desensitizing teeth, 240-242

Powered toothbrushes
 cavitation produced by, 287
 factors affecting plaque removal, 48-49
 removal of interproximal plaque beyond bristles, 114-115

Practice management
 (see also Dental practice(s))
 automated telephone system, 129
 denture cost comparison including indirect costs, 374-375
 determining value of dental practice, 23
 partnership agreements, 65
 personal digital assistant use in, 24
 regulations for credit card receipts, 283
 security of patient and personal files, 198-199
 staff motivation, 152
 use of family limited partnership, 263

Preload force, finite element analysis for determination in implants, 227-228

Premolar(s)
 congenitally missing, controlled slicing for, 368-370
 extraction, lip curvature changes following, 303-304
 extraction vs. nonextraction therapy, smile esthetics in, 106-107
 mandibular, multiple root canals in, 280-281
 maxillary, large MOD preparations, 42-43

Preventive dentistry
 (see also Caries prevention)
 central fossa as target for interventions, 157
 practice guidelines of pediatric dentists, 323
 tooth wear evaluation in, 84-85

Primary teeth
 bond strength and fracture resistance of tooth-colored restorations, 241-242
 caries diagnosis in, 223-224
 fluorosis in, amoxicillin and, 308-309
 glass fiber reinforced composite resin space retainers for loss of, 276-277
 long-term results of pulpotomy and root canal therapy, 372
 restorations
 intracanal reinforcement fiber for, 335-337
 omega wire extensions in, 337-338
 slot and dovetail, 242-243
 tooth-colored, 241-242
 stem cells in, 90

Prolonged static postures, in dental practitioners, 168-169

Prompt L-Pop bonding system
 for primary anterior tooth restoration, 337-338
 shear bond strength, 310-311

Prostaglandin suppression, in orthodontic treatment, 307-308

Prosthetic joints, antibiotic prophylaxis in patients with, 77

Prosthodontics
 (see also Dentures)
 condylar position shifts in, 51
 selection criteria for immediate endosseous dental implants, 67

Provisional restorations, preparation of, 343-344

Psychological factors, in orofacial pain, 88-89

Pterygoid muscle, role in temporomandibular joint, 272-273

Pulp capping materials
 calcium hydroxide vs. dentin bonding materials, 172
 inflammation and, 138

Pulpitis
 in diabetes mellitus, 11
 intraosseous injection of anesthesia in, 130

Q

Quality of life
 oral health care and, 126
 third molar extraction and, 38-39

Quartz-tungsten-halogen lamp, vs. plasma arc light-curing unit, 348-349

Quick Splint, wear characteristics, 167-168

R

Radiographic apex, endodontic treatment outcome and, 35-36

Radiography
 cancellous bone visibility in, 251
 for caries diagnosis, 98-99
 dental radiation exposure in females and infant low birth weight, 377-378
 digital vs. conventional, for detection of alveolar bone loss, 250
 for prediction of nerve complications in third molar extraction, 365-367
 quality of images of F-speed and D-speed film after rapid processing, 182

Rapid maxillary expansion, arch length obtained by, 105-106

Rapid palatal expansion, for expansion of maxillary arch in absence of crossbite, 174-175

Recession defects, coronal flaps and enamel matrix derivative for, 107-108

Recurrent aphthous stomatitis
 carbon dioxide laser treatment, 327-328
 penicillin G potassium troches for, 235-236

Red wine, cholesterol levels and, 90

Referred pain, diagnosis of, 78-88

Reline resins, microwave irradiation for sterilization of, 229

Reprogramming device, thermoplastic material for, 208-209

Resilon filling material, vs. gutta-percha, for root-end filling, 353-354

Resin-modified glass-ionomer cement
 demineralization reduction with use of, 222
 fluoride release from, 163-164
 long-term durability of restorations using, 297-298

Resin-modified glass-ionomer liners, for reduced microleakage in Class II restorations, 32

Restorations
 amalgam
 bacterial growth in, 93
 clinical and microbiological status of gingiva, 362
 in amelogenesis imperfecta, 86-88
 bond strength and fracture resistance, 241-242
 cavity preparation, microleakage prevention in, 115
 ceramic
 adhesion technique without proximal reduction, 205-206
 fracture resistance, 378-379

Class II
 bonded inlay restorations in, 42-43
 lining materials to reduce microleakage and internal voids in, 32
 long-term durability, 297-298
 composite (see Composite restorations)
 esthetic evaluation, 267-268
 fixed provisional, 343-344
 glass-ionomer
 clinical and microbial status of gingiva, 362
 fluoride release from, 163-164
 vs. composite resin, leakage of, 226
 indirect-composite inlays, fracture resistance, 378-379
 periodontal tissue and, 26-27
 primary teeth
 intracanal reinforcement fiber for, 335-337
 omega wire extensions in, 337-338
 slot vs. dovetail, 242-243
 tooth-colored, 241-242
 removal of, before endodontic treatment, 357-358
 tractioning technique for restoration of biologic width, 216-217
 vs. orthodontic procedures, 281-282

Resveratrol, cholesterol levels and, 90

Revascularization, of immature tooth with infected canal, 329-330

Rheumatoid arthritis, periodontitis and, 177-178

Ribbonbond, for creation of provisional fixed partial denture, 214-215

Risk, dental, 28

Risk assessment
 caries (see Caries prevention)

Rofecoxib, in orthodontic treatment, 307-308

Root canals
 (see also Endodontic procedures)
 aberrant mandibular first molar anatomy, 266-267
 amalgam repair of perforation, 201-202
 antibiotic therapy for periapical abscesses in, 111-113

- multiple, in mandibular first premolars, 280-281
- revascularization in immature tooth, 329-330
- ultrasonic vibration with water spray
 - cooling for removal of cemented posts, 311-312
- Root deposits
 - calcified, sonic scaler for removal of, 33
 - manual debridement vs. laser irradiation, 101
- Root formation
 - effects of orthodontic movement on, 238-239
- Root planing
 - immune response to, 373-374
 - quadrant vs. same-day full-mouth
 - clinical results, 314-315
 - microbiological outcomes, 315-316
- Root-end filling materials (*see under* Endodontic procedures)
- Rural areas, dental practice in, 6

S

- Saline solution, for sialadenitis, 368
- Saliva incubation test, for measurement of bad breath, 103
- Scaling
 - manual debridement vs. laser irradiation, 101
 - sonic, for calcified root deposits, 33
- Scorpion venom, bone loss and, 346
- Scotchbond I bonding system, shear bond strength, 310-311
- Scotchbond Multipurpose Plus bonding system, shear bond strength, 310-311
- Scuba divers, reduction of temporomandibular joint disorders in, 312-313
- Sealants
 - microleakage and, 246-247
 - smear layer and, 292-293
- Second opinions, ethics of, 265-266
- Second premolars
 - controlled slicing for congenitally missing, 368-370
- Sedation
 - in children, 379-380
 - office administration by oral surgeons, 92
- Segmental ridge-split procedure, for expanding atrophic ridge, 20-22
- Self-etching bonding systems, vs. conventional acid etching, 94
- Sensitive teeth, oxalate desensitizing agent for, 240-242
- Sexual harassment issues, in dental practices, 341-342
- Sialadenitis, alternatives to surgical treatment, 368
- Single Bond plus P60 protocol, microleakage at gingival margin, 286-287
- Sinus tract
 - extraoral, odontogenic vs. endodontic origins, 209-210
- Slot restorations, vs. dovetail, in primary teeth, 242-243

- Small business, health insurance cutbacks, 28
- Smear layer, sealant penetration and, 292-293
- Smokers
 - anti-infective therapy to improve guided tissue regeneration in, 47
 - dry socket in, 234-235
 - implant healing in, 346
- Smoking cessation
 - effect on gingival health, 365
 - uses and safety of nicotine replacement therapy, 154-155
- Socioeconomic status, orofacial pain and, 29
- Soft drink consumption
 - dental health and, 61-62
 - tooth wear and, 84-85
- Soft tissue margins, connective tissue graft for discrepancy in, 269-271
- Solidex system, fracture resistance, 378-379
- Sonic scaler, for calcified root deposit removal, 33
- Sonicare Elite electronic toothbrush, cavitation produced by, 287
- Sonicare Plus electronic toothbrush, removal of interproximal plaque beyond bristles, 114-115
- Sonicare PS-1 electronic toothbrush, cavitation produced by, 287
- Space retainers, glass fiber reinforced composite resin, 276-277
- Splenectomy, infection after dental extractions and, 65-66
- Splint Biocryl, wear characteristics in orthotic devices, 167-168
- Split-finger technique, to promote papillae around implants, 358-360
- Staff motivation, for making changes, 152
- Stainless steel crowns, technique for marginal adaptation, 19-20
- Stem cells, in exfoliated primary teeth, 90
- Steroids, preceding third molar extraction, 186-187
- Stress
 - dental implications, 217-218
 - reduction measures, 69-70
- Supererupted molars, intrusion of, titanium miniplates for, 146-148
- System B HeatSource, for retreatment of Therafil obturated teeth, 36-37

T

- Targis system, fracture resistance of, 378-379
- Technology, integration in dental practice, 279-280
- Teeth, hypersensitive (*see* Hypersensitive teeth)
- Tegretol, for diagnosis of trigeminal neuralgia, 245
- Temporomandibular joint (TMJ)
 - ipsilateral loading during chewing and chopping, 44-45
 - role of pterygoid muscle, 272-273
- Temporomandibular joint (TMJ) disorders
 - after orthognathic surgery, 55-56
 - aging and, 254
 - ankylosis, imaging methods, 74-75
- arthrocentesis for
 - internal derangement and osteoarthritis
 - unrelated to outcome measures, 185-186
 - range of motion improvements and pain reduction following, 45-46
- complementary and alternative medicine in, 91
- discectomy without disc substitution for, 255
- in divers, new mouthpieces to reduce, 312-313
- education plus physical therapy for, 371
- effect of clenching on condylar position in, 298-300
- joint effusion in, 313-314
- magnetic resonance imaging diagnosis of, 54-55
- pain and allergic reaction sparked by metal fragment, 212
- in posttraumatic stress disorder, 334-335
- psychological aspects, 88-89
- recurrent dislocation
 - botulinum toxin injections for, 275-276
 - surgical approach, 331-332
- resorption of mandibular condyle in advanced, 119-120
- vs. Eagle's syndrome, 153
- Tetric Ceram/RMGI lining, marginal quality of Class II restorations with, 32
- Tetric Ceram/X lining, marginal quality of Class II restorations with, 32
- Therafil obturated teeth, System B HeatSource retreatment of, 36-37
- Thermoplastic material, for anterior reprogramming device, 208-209
- Third molar(s)
 - autotransplantation of, 301-302
 - extraction
 - alveolar osteitis following, 11-12
 - antibiotic prophylaxis following, 230
 - distolingual alveolectomy vs. tooth division for, 233-234
 - dry socket in smokers vs. nonsmokers, 234-235
 - preoperative steroid treatment for, 186-187
 - quality of life following, 38-39
 - radiographic markers predictive of nerve complications, 365-367
 - risk factors for complications, 346
- Titanium dowels, retention values of, 222-223
- Titanium miniplates, for intrusion of supererupted molars, 146-148
- Titanium-ceramic bonding, vs. noble metal-ceramic bonding, 94-95
- TMJ (*see* Temporomandibular joint)
- Toddlers, physical activity of, 283
- Tooth
 - abrasion (*see* Tooth, wear)
 - discoloration
 - effects on caries detection systems, 223-224
 - enamel microabrasion for, 133

division, vs. distolingual alveolectomy for extraction of impacted third molars, 233-234

erosion (see Tooth, wear)

exfoliation caused by formocresol, 10

immature, revascularization protocol with infected canal, 329-330

preparation, enhancing resistance form, 231-233

processes of wear, 37-38

separation

- direct visual inspection after, for caries detection, 175-176

transplantation

- factors in success, 156
- third molar to replace first or second molars, 301-302

wear

- acid beverages and, 346
- in chronic vomiting, 37-38
- in gastroesophageal reflux disease, 16-18, 37-38
- preventive efforts, 84-85

whitening

- safety and efficacy of hydrogen peroxide whitening gel, 356-357

Toothbrush(es)

- powered (see Powered toothbrushes)
- triclosan for reduction of contamination, 375

Tooth-colored restorations, bond strength and fracture resistance, 241-242

Topical anesthetics, for control of anesthetic injection pain, 284-285

Translucent-fiber posts, clinical behavior, 252

Triclosan, for reduction of toothbrush contamination, 375

Trigeminal neuralgia, carbamazepine for diagnosis of, 245

Trigger points, evaluation of, 78-88

Tuberculosis, oral lesions in, 14-15

Twin Luscent dowel system, retention values of, 222-223

U

Ultrasound, for removal of cemented posts in root canals, 311-312

UniFil F, comparison of light source methods for curing of, 348-349

Unifil/RMGI lining, marginal quality of Class II restorations with, 32

V

Vaccine, caries, 4-5, 179

Valacyclovir, for herpes simplex labialis, 142-143

Values, gaps among dentists, staff, and patients, 197

Visual-tactile examination, for caries diagnosis, 98-99

Vital pulpotomy, for hypoplastic primary incisor, 149-150

Volatile sulfur compounds (VSC), saliva incubation test for, 103

Vomiting, chronic

- parotid swelling in, 184-185

tooth wear in, 37-38

VSC (see Volatile sulfur compounds)

W

Wand Plus system, for palatal-anterior superior alveolar injection, 284-285

Warfarin

- (see also Anticoagulants)
- cyanoacrylate glue for local hemostasis in patients using, 211

Water spray cooling, in ultrasound removal of cemented posts in root canals, 311-312

Wear, tooth (see Tooth, wear)

Web sites, for dental practices, 8

Whitening treatments, hydrogen peroxide gel, safety and efficacy, 356-357

WHO World Oral Health Report, 320

X

Xerostomia, pilocarpine and bethanechol for, 303

Xylitol lozenges, plaque pH recovery after sucrose challenge and, 376

Z

Z250/Com lining, marginal quality of Class II restorations with, 32

Zirconia abutments, effect of bur abrasive particle size, 117

Z250/X lining, marginal quality of Class II restorations with, 32